

Contributors

Colonel Michael J. Ainscough, M.D., M.P.H., is an Air Force flight surgeon and a diplomat of the American Board of Preventive Medicine in Aerospace Medicine. He was the 92d Aeromedical-Dental Squadron Commander at Fairchild AFB, Washington. Other assignments included tours as Chief of Aerospace Medicine at the 343d Medical Group, Eielson AFB, Alaska; Chief of Operations Branch, Hyperbaric Medicine Division, Armstrong Laboratory, Brooks AFB, TX; Chief, Aeromedical Evacuation Branch, Professional Services Directorate, Office of the Air Mobility Command Surgeon; and then Chief, Clinical Aeromedical Evacuation for the Global Patient Movement Requirements Center of USTRANSCOM at Scott AFB, IL. He earned his Bachelor's degree from the St. Louis College of Pharmacy and his Doctorate of Medicine from the Southern Illinois University School of Medicine. He completed a USAF Residency in Aerospace Medicine and a Fellowship in Hyperbaric Medicine at Brooks AFB, TX. He also completed a Masters in Public Health degree at the University of Texas. He is a Senior Flight Surgeon with 1,100 total flying hours in over 20 types of military aircraft.

Barbara F. Bullock is an acquisition program manager at the Standard Systems Group, Maxwell AFB-Gunter Annex, Alabama. A June 2001 graduate of the Air Command and Staff College, she entered federal service in July 1974 as a computer programmer, after earning a Bachelor of Science degree in mathematics from Alabama A&M University. Her career encompasses over 27 years of experience facilitating the acquisition, development, testing, deployment and sustainment of Air Force base-level automated systems. She holds acquisition professional development program Level II ratings in program management and communications-computers. In her current assignment as the Deputy Program Manager for the Case Execution Management Information System (CEMIS), she works to develop a replacement management information system for the ordering and shipping of U.S. defense articles and services to foreign countries.

Colonel Jim A. Davis is the Deputy Director of the USAF Counterproliferation Center. Previously, Colonel Davis was the AF Surgeon General's Chair to Air University. He was the Commander, 48th

Aerospace Medicine Squadron at RAF Lakenheath, UK. Before coming to Air University, he was responsible for the largest Aerospace Medicine Squadron in USAFE, which oversees flight medicine, optometry, preventive medicine, health promotion, public health, industrial hygiene, and bioenvironmental engineering. He provided support to USAFE fighters, European Tanker Task Force, and MOOTW in Europe, Africa, and the Middle East. He also served as UK Medical Intelligence Officer and USAFE Consultant for Public Health. Colonel Davis served 4 years in the U.S. Army Veterinary Corps, 6 years in private veterinary medicine, and has been in the Air Force since 1987. His areas of special interest include CBW, bioterrorism, and occupational epidemiology. Colonel Davis has several academic degrees including a Doctorate of Veterinary Medicine from Texas A&M and a Doctorate of Public Health from the University of Texas. He is board certified with the American College of Veterinary Medicine.

Colonel Richard A. Hersack, USAF, MC, CFS, is the Air Force Surgeon General Chair to Air University at Maxwell AFB, AL. He also serves as a faculty member of the Air War College and is an associate of the USAF Counterproliferation Center. He earned his Bachelors degree in Chemistry from Colorado College in 1979 and his Doctorate of Medicine from St. Louis University School of Medicine in 1983. After completing his surgical internship, Colonel Hersack served for six years as a squadron medical element flight surgeon assigned to tactical fighter squadrons at Torrejon AB, Spain and Shaw AFB, SC. He completed his residency in anesthesiology at Wilford Hall Medical Center in 1993, and is certified by the American Board of Anesthesiologists. He remained at Wilford Hall as a staff anesthesiologist serving in a variety of positions, including the Author B. Tarow Chairman of Anesthesia. He attended the Air War College, graduating from the in-residence program in 2000. Colonel Hersack helped develop the Critical Care Air Transport Teams and the Mobile Field Surgical Teams and has participated in several operational deployments to Europe, Africa, and Central America, including Operation JOINT ENDEAVOUR, Operation ASSURED RESPONSE, and humanitarian medical missions to Honduras. His awards and honors include the Malcolm C. Grow Award as the USAF Flight Surgeon of the Year for 1985, the Society of Air Force Clinical Surgeons Surgeon General's Award for Outstanding Research in Anesthesia, and Distinguished Graduate of the Anesthesia Residency Program at Wilford

Hall. A chief flight surgeon, Colonel Hersack has logged over 750 total flying hours, including 337 hours in F-16 aircraft, and holds a private pilot's certificate.

Dr. Anna Johnson-Winegar (BA, Hood College; MS, PhD, Catholic University of America) is the deputy assistant to the Secretary of Defense, Chemical/Biological Defense. She serves as the single focal point within OSD for the oversight, coordination, and integration of the chemical/biological defense, counterproliferation support, chemical demilitarization, and Assembled Weapons Assessment (ACWA) programs. Prior assignments include director, Environmental and Life Sciences in the Office of the Director of Defense Research and Engineering (DDR&E); and director, medical chemical and biological research programs, U.S. Army Medical Research Institute of Infectious Diseases. Dr. Johnson-Winegar has published numerous technical manuscripts and authored/co-authored several book chapters. She represents the Mid-Atlantic Division, National Board of Directors of the American Cancer Society. In 1998, she received the Women in Science and Engineering Lifetime Achievement Award.

Lieutenant Colonel Rex R. Kiziah, USAF (BS, USAF Academy; PhD, The University of Texas at Austin), is currently the Chief, Combat Support and Counterair Division in the Air Staff's Directorate of Global Power Programs. Previous assignments include serving as the Air Force Research Laboratory Commander's representative to the National Reconnaissance Office; Deputy Program Manager of the Office of the Secretary of Defense Counterproliferation Support Program; Special Assistant for Research and Technology for the Assistant to the Secretary of Defense for Nuclear, Chemical and Biological Defense Programs; Associate Professor of Physics at the USAF Academy; and Section Chief and Neutral Particle Beam Research Officer at the Air Force Weapons Laboratory. He is a graduate of Squadron Officer School, Air Command and Staff College, Defense Systems Management College and the Air War College.

Lieutenant Colonel Brenda J. McEleney is the Commander, 374th Medical Operations Squadron and Chief Nurse Executive, 374th Medical Group, Yokota Air Base, Japan. As Commander, she manages an emergency room, 14 specialty clinics, and a 15-bed hospital; commands

more than 200 people; and delivers quality medical care to more than 11,000 eligible beneficiaries in the Tokyo, Japan, area. As Chief Nurse Executive, she creates and evaluates nursing policies and programs for over 170 active-duty, Reserve, and civilian nursing personnel. She interacts with Pacific Air Forces Major Command and other military services on nursing services matters to ensure the highest caliber of policies and people. Lt Col McEleney has held various positions in medical-surgical nursing, technical training, and executive leadership. She has served as nurse manager, squadron commander, and deputy division chief on Air Force Surgeon General's staff prior assuming her current position. Lt Col McEleney has jointly authored an article, "An Oral History of the Joint Nursing Experience at Landstuhl Regional Medical Center," in *Military Medicine*. She is a Distinguished Graduate of the School of Aerospace Medicine Flight Nurse Course and is board certified in nursing administration advanced.

Major Michael E. Peterson is a U.S. Air Force Aviator assigned to Headquarters Air Combat Command, Battle Management Operations Division, Langley AFB, VA. He graduated from the United States Air Force Academy in 1987 with a Bachelor of Science degree, and the Ohio State University in 1995 with a Master of Arts degree in Military History. He earned his navigator wings in 1988 and has had flying assignments in both U.S. and NATO E-3 AWACS squadrons. Maj Peterson also served a tour at the U.S. Air Force Academy as an Assistant Professor and Course Director in the Military Arts and Sciences Department. He is a 2001 graduate of the Air Command and Staff College, Maxwell AFB, AL.

Brad Roberts (PhD, Erasmus University, The Netherlands) is a member of the research staff at the Institute for Defense Studies and Analyses in Alexandria, Virginia. He joined IDA in 1995, having previously served as editor of *The Washington Quarterly* and research fellow at the Center for Strategic and International Studies. Dr. Roberts is an adjunct professor at George Washington University, chairman of the research advisory board of the Chemical and Biological Arms Control Institute, a consultant to Los Alamos National Laboratory, and a member of the executive board of the U.S. Committee of the Council for Security Cooperation in the Asia Pacific. A specialist on strategy and policy questions associated with nuclear, biological, and chemical weapons, he has written widely on counterproliferation, nonproliferation, defense threat reduction, and counterterrorism.

Dr. Barry R. Schneider is the Director of the USAF Counterproliferation Center at Maxwell AFB, and is a Professor of International Relations at the Air War College. Dr. Schneider specializes in NBC counterproliferation and nonproliferation issues. He is the author of *Future War and Counterproliferation: U.S. Military Responses to NBC Proliferation Threats* (Praeger, 1999) and contributor to and co-editor of *Pulling back from the Nuclear Brink: Reducing and Countering Nuclear Threats* (Frank Cass Ltd., 1998), *Battlefield of the Future: 21st Century Warfare Issues* (Air University Press, 1998), *Missiles for the Nineties: ICBMs and Strategic Policy* (Westview, 1984), and *Current Issues in U.S. Defense Policy* (Praeger, 1976). He has served as a Foreign Affairs Officer (GS-14) and Public Affairs Officer (GS-15) at the U.S. Arms Control and Disarmament Agency, as a Congressional staffer on arms control and defense issues, and was a Senior Defense Analyst at The Harris Group and the National Institute for Public Policy. He has taught at the Air War College since 1993. As a faculty member, he teaches elective courses such as *International Flashpoints*, *Counterproliferation Issues*, and *CBW Issues* for the USAF. He has taught at six other colleges and universities, and has a Ph.D. in International Relations from Columbia University.